

CLIMATE CHANGE WITH THE SCIENCE MUSEUM GROUP **FirstNews**

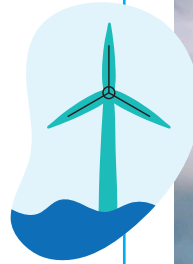
NEWS KIDS CAN TRUST

EPISODE 6: CAN CARBON CAPTURE HELP US TACKLE CLIMATE CHANGE?

Questions inspired by a new series of videos from the Science Museum Group about how science is helping us tackle climate change

GREENHOUSE GAS EMISSIONS

- What is carbon dioxide also known as?
- Why are carbon dioxide emissions harmful for the planet?
- What is net zero? Imagine your hands are scales. What would net zero look like on them? Show your partner.
- Photosynthesis is a complicated process. Can you describe it to your partner in simple terms using the information from the video?
- In this video, trees are described as a 'weapon' and the Amazon Rainforest is described as the 'lungs of the Earth'. Why do you think this is?
- Can you name two industries mentioned in this video that produce lots of CO₂?
- What is currently the biggest absorber of CO₂?



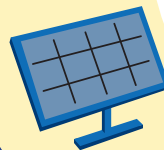
CARBON CAPTURE

- What is carbon capture? How does it work?
- How is carbon capture helping us to reach our net zero target?
- Where does captured carbon go/what does it get turned into?
- How is the Climeworks carbon capture plant in Iceland different from the Tata Chemicals plant in Cheshire?
- Why might carbon capture not be needed in the future?



Get creative with carbon!

Can you think of your own creative way to help us reach our net zero target by 2050?



Watch this video at [first.news/science-museum-carbon](https://www.first.news/science-museum-carbon)